Obstacle Light Lanthan HF102r1 10 cd LIOL Type A

M92100
(P5510.2)

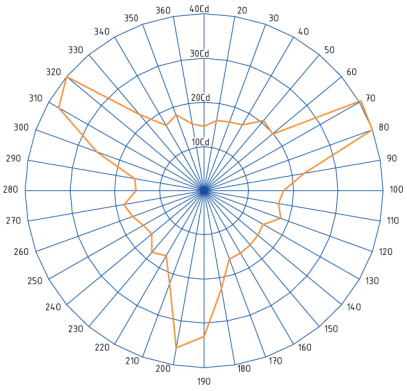
- **Light Intensity 10 Candela, colour: red**
- **Power Consumption < 1.7 W**
- **Low power consumption, ideal for autonomous systems**
- **Materials: Aluminium EN AW 6082 / PMMA**
- **Maintenance free due to fail safe LED-technology**
- **> 50 000 hours operating capacity**
- **Wide operating voltage (10...50 VDC)**

Technical Information
The Lanthan HF 102r1 Obstacle Light is characterised by its compact and rugged construction and the self supervision. The well dimensioned heat sink guarantees a minimal degradation of light intensity over 50 000 hours. Please note that an intensity of 10 Candela can not be guaranteed.

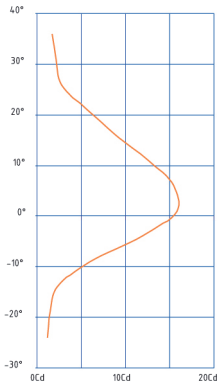
Application
Nighttime marking of aeronautical obstacles.

Classification
Lanthan HF102r1 is accredited according to: ICAO / BMVBS / STAC

Additional optional features
- Customised fixtures
- Stand-by set via accumulator or fuel cell
- Supervision- and error transmitting systems
- Self-monitoring and redundant twilight switch MDS - 50
- Stand-alone power supply: fuel cell, photovoltaic, wind turbine



horizontal



vertical

Ammonit
Measurement GmbH

Wrangelstrasse 100, D-10997 Berlin, Germany
T: +49 30 6003188-0, E: info@ammonit.com

measuring wind power
www.ammonit.com

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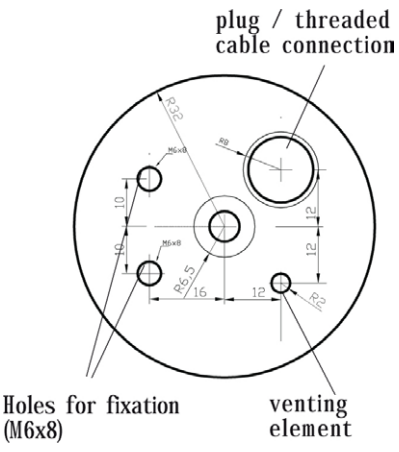
Characteristic	Description/Value	
Intensity of light	>10 cd red, 360° horizontal according to ICAO Annex 14, Low intensity, Type A	
Lifespan	>50,000h	
Supply voltage	10 ... 50V	
Nominal power	< 1.7W (12V/140mA; 24V/70mA)	
Surge protection	integrated	
Failure detection	integrated (failure indication after 50,000h)	
Fail-safe level	Light o.k.: 1.5V below supply voltage (open circuit)	
	Light failure: 0V	
Connector, Plug M12	**Plug Pin No.**	**Ammonit Wire Colour**
	Pin 1: Housing	-
	Pin 2: Supply	red, orange, orange
	Pin 3: Fail-safe-signal	white, blue
	Pin 4: Ground	black, violet, violet
Temperature range	-40 ... +55°C	
Protection class	IP 67, with venting element	
Housing	Aluminium, seawater-resistant PMMA, UV-resistant	
Dimensions	ca. 64x80mm (body without plug)	
Weigth	300g (0.66 lbs)	
Manufacturer	Lanthan	

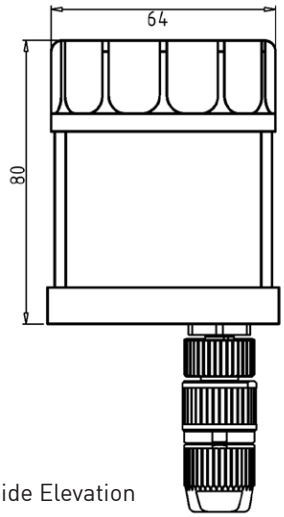
Ammonit Data Logger Meteo-40 - Failure monitoring

Input	Description
Digital, Serial, Status (max. 25V)	Status "1": Light o.k.
	Status "0": Light failure
Analog Voltage (max. 10V)	Voltage divider needed above 12V. Ask Ammonit for further instructions.

Schematic



Plan View - seen from underneath



Side Elevation

Last Modification: 06 March 2013